

Haoyue Furnace Series Selection Brief

Public preparation guide. This document helps a buyer structure an initial discussion. It is not a certified specification, quotation, or acceptance record for a specific machine.

Select by process requirement

- S Series: spark plasma sintering under controlled load, temperature, current, vacuum, or inert gas.
- V Series: vacuum and controlled-atmosphere sintering, annealing, brazing, degassing, and heat treatment.
- I Series: hot isostatic pressing for density and internal-defect reduction under isostatic gas pressure.
- P Series: vacuum hot pressing with a defined mechanical load path.
- G Series: gas-pressure sintering for pressure-assisted ceramic processing.
- H Series: hydrogen or reducing-atmosphere furnace routes.
- C Series: CVD and CVI deposition or infiltration systems.
- D Series: diffusion bonding under controlled temperature, atmosphere, and load.

Inputs for the first review

- Material composition and form
- Workpiece, sample, die, or fixture dimensions
- Maximum temperature and planned cycle
- Vacuum, gas type, purity, and pressure requirements
- Mechanical load or gas pressure, when applicable
- Batch size, throughput intent, and development stage
- Cooling, utilities, controls, and data-record needs
- Destination, site constraints, and acceptance method

Output of the review

Haoyue uses the confirmed inputs to identify a process family, candidate equipment class, open technical questions, and the evidence required before quotation. All equipment limits and delivery terms remain project matched.